(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 7 April 2005 (07.04.2005)

PCT

(10) International Publication Number WO 2005/030962 A1

(51) International Patent Classification⁷: 15/62, 15/866, 9/24, 5/10

C12N 15/56,

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(21) International Application Number:

PCT/EP2004/010517

(22) International Filing Date:

17 September 2004 (17.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/506,479 60/537,729 26 September 2003 (26.09.2003) US 20 January 2004 (20.01.2004) US

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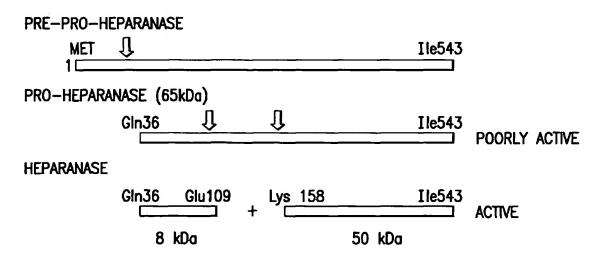
- - MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYNTHETIC HEPARANASE MOLECULES AND USES THEREOF



(57) Abstract: The present invention relates to synthetically produced, enzymatically active heparanase nucleic acid molecules that are capable of expression in high yield heterologous expression systems, and to polypeptides encoded by said molecules. Also provided herein are methods of expressing mammalian heparanase in heterologous expression systems, wherein high yields of biologically active heparanase are produced compared to prior art methods.